

U.S. Appln. No.: 10,542,143
Atty. Docket No.: P70538USO

Amendments to the Claims

This listing of claims replaces all prior versions, and listings, of claims in the application.

Listing of Claims

Claim 1. (Currently amended) [[:]] A ~~Printing~~ printing unit ~~(3)~~ of a rotary printing machine [[:]] ~~preferably a rotary printing machine~~ [[:]] comprising:

~~with~~ at least one ink transfer roller ~~(27, 29)~~,

whereby the first end of the ink transfer roller ~~(27, 29)~~ is supported rotatably on a first bearing block,

whereby the second end of the ink transfer roller ~~(27, 29)~~ is supported by a prop bearing ~~(7, 9)~~ connected rotatably with a second bearing block ~~(4, 5)~~, whereby the prop bearing ~~(7, 9)~~ can be released from the ink transfer roller ~~(27, 29)~~ and the second bearing block ~~(4)~~ is displaceable relative to the ink transfer roller ~~(27, 29)~~ and relative to the first bearing block, so that the second end of the ink transfer roller ~~(27, 29)~~ is freely accessible, and

whereby ~~each~~ the second bearing block ~~(4, 5)~~ is associated with a blade chamber holder ~~(16)~~, which ~~carry~~ carries at least one ink chamber blade ~~(31)~~, which ~~(31)~~ is adjustable on the ink transfer roller ~~(27, 29)~~, and

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whereby the blade chamber holders ~~(16)~~ are holder is at rest with respect to the first bearing block during the displacement of the second bearing block ~~(4, 5)~~ characterized in that the blade chamber holder ~~(16)~~ associated with the second bearing block ~~(4, 5)~~ is permanently supported by support elements ~~(18, 28)~~ on the second bearing block ~~(4, 5)~~.

Claim 2. (Currently amended) [[:]] The Printing printing unit according to Claim 1, characterized in that the ~~supporting~~ support elements ~~comprise of~~ include at least a linear guide ~~(18)~~, which is arranged on the blade chamber holder ~~(16)~~ in such ~~as fashion~~ that the second bearing block ~~(4, 5)~~ is displaceable relative to the blade chamber holder ~~(16)~~.

Claim 3. (Currently amended) [[:]] The Printing printing unit according to Claim 1, characterized in that the ~~supporting~~ support elements ~~are comprised of~~ include at least one track ~~(18)~~ fixed on the blade chamber holder ~~(16)~~ and at least one guide wagon ~~(28)~~ fastened on the second bearing block ~~(4)~~ enclosing the track.

Claim 4. (Currently amended) [[:]] The Printing printing unit according to Claim 1, characterized in that the blade chamber holder ~~(16)~~ is connected ~~with the~~ with a printing unit frame ~~(2)~~

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in each ~~positions~~ position of the second bearing block ~~(4)~~[[,]]
which is not a printing position.

~~Claim 5.~~ (Currently amended)[[:]] The Printing printing unit
according to Claim 1, characterized in that a stop ~~belts~~ ~~(19)~~
bolt is displaceably supported along its axis on the blade
chamber holder ~~(16)~~, ~~which and~~ can be connected at one of its end
~~position~~ positions with the second bearing block ~~(4)~~ and with its
other end position with ~~the~~ a printing unit frame ~~(2)~~.

~~Claim 6.~~ (Currently amended): The Printing printing unit
according to claim 5, characterized in that the stop ~~belts~~ ~~(19)~~
~~can be~~ bolt is fastened in each of these end positions ~~with the~~
~~help of~~ by a ball of a an elastic ~~printing-unit~~ thrust pad, which
is mounted on the blade chamber holder ~~(16)~~, whereby the ball
acts on ~~one of the grooves~~ ~~(40)~~ a groove in the stop bolt
foot ~~(19)~~.

~~Claim 7.~~ (Currently amended): The Printing printing unit
according to claim 5, characterized in that in the printing
position, a jut ~~(39)~~ ~~can be~~ is clamped on a stopper plate ~~(30)~~
fastened on the second bearing block ~~(4)~~ between the stop bolt
~~(19)~~ and a stopper ~~(23)~~.

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~~Claim 8.~~ (Currently amended)[[:]] The Printing printing unit according to claim 5 7, characterized in that the ~~jut (39) and~~ the stop bolt ~~(19) are comprised of~~ include slanting bevels running parallel on the mutually facing sides thereof.

~~Claim 9.~~ (Currently amended)[[:]] The Printing printing unit according to claim 5, characterized in that for connection of the blade chamber holder ~~(16)~~ with the printing unit frame ~~(2)~~ a support the stop bolt (19) can be is fastened in a receiver ~~(26)~~ fastened on the printing unit frame ~~(2)~~.

~~Claim 10.~~ (Currently amended)[[:]] The Printing printing unit according to claim 5, characterized in that ~~on the stop bolts~~ ~~(19) act the means for the~~ a displacement (32, 33, 34, 20) device acts on the stop bolt.

~~Claim 11.~~ (Currently amended)[[:]] The Printing printing unit according to claim 10, characterized in that the ~~means for displacement is comprised of~~ displacement device includes a drive unit ~~(32)~~ and a ~~means for transmission of the~~ device for transmitting a driving force (33, 34, 20).

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~~Claim 12.~~ (Currently amended)[[:]] The Printing printing unit according to claim 11, characterized in that the drive ~~is~~ ~~comprised of~~ unit includes a piston cylinder unit ~~(32)~~.

~~Claim 13.~~ (Currently amended)[[:]] The Printing printing unit according to claim 11, characterized in that the ~~means for~~ ~~transmission of~~ device for transmitting the driving force ~~is~~ ~~comprised of~~ includes a receiver ~~(34)~~, which encloses a pin ~~(20)~~ fastened on the stop ~~bolts (19)~~ bolt in the printing position of the second bearing block ~~(4)~~.

14. (New) A printing unit for a rotary printing machine, comprising:

an ink transfer roller with a first end rotatably supported on a first bearing block, and a second end supported by a prop bearing rotatably connected with a second bearing block, the prop bearing being releasable from the ink transfer roller and the second bearing block being displaceable relative to the ink transfer roller and to the first bearing block;

a blade chamber holder with an ink chamber blade adjustable relative to the ink transfer roller; and

a second bearing block support for supporting the blade chamber holder such that the blade chamber holder remains in

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place with respect to the first bearing block during the displacement of the second bearing block.

15. (New) The printing unit according to claim 14, wherein the second bearing block support includes a guide track on the blade chamber holder and a guide wagon on the second bearing block for traveling the track.

16. (New) The printing unit according to claim 14, further comprising a printing unit frame for supporting the blade chamber holder and a stop bolt displaceably supported on the blade chamber holder, wherein the stop bolt is connected at a first end with the second bearing block and at a second end with the printing unit frame.

17. (New) The printing unit according to claim 16, further comprising a displacement device for positioning the stop bolt such that positioning of the stop bolt positions the second bearing block relative to the blade chamber holder.

18. (New) The printing unit according to claim 17, wherein the displacement device includes a piston cylinder unit for providing a driving force, and a device for transmitting the driving force

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that includes a receiver enclosing a pin positioned on the stop bolt in a printing position of the second bearing block.

19. (New) A printing unit for a rotary printing machine, comprising:

an ink transfer roller with a first end rotatably supported on a first bearing block, and a second end supported by a bearing rotatably connected with a second bearing block, the bearing being releasable from the ink transfer roller and the second bearing block being displaceable relative to the ink transfer roller and to the first bearing block;

a blade chamber holder supported by a support device associated with the second bearing block; and

a displacement device for positioning the second bearing block relative to the blade chamber holder.

20. (New) The printing unit according to claim 19, wherein the displacement device provides a reproducibly exact positioning of the second bearing block relative to the blade chamber holder to provide a desired positioning of the blade chamber holder relative to the ink transfer roller.